

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 03/13531

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12P7/62 C08G63/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12P C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 614 576 A (RUTHERFORD DENISE R ET AL) 25 March 1997 (1997-03-25) column 5, line 19 - line 30 ---	1-29
A	EP 1 188 836 A (CANON KK) 20 March 2002 (2002-03-20) paragraphs '0014!-'0018!; claims ---	1-29
A	EP 1 113 033 A (CANON KK) 4 July 2001 (2001-07-04) page 7, line 20 -page 10, line 24; claims ---	1-29
A	EP 1 188 782 A (CANON KK) 20 March 2002 (2002-03-20) examples --- -/--	1-29

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- * & * document member of the same patent family

Date of the actual completion of the international search

30 January 2004

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25/02/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 201 763 A (CANON KK) 2 May 2002 (2002-05-02) examples ----	1-29
A	EP 1 130 042 A (CANON KK) 5 September 2001 (2001-09-05) examples ----	1-29
A	EP 1 236 755 A (CANON KK) 4 September 2002 (2002-09-04) paragraph '0069!; claim 31; examples ----	1-29
A	EP 1 236 754 A (CANON KK) 4 September 2002 (2002-09-04) page 4, line 45 -page 7, line 4 ----	1-29
A	STEINBUECHEL A ET AL: "DIVERSITY OF BACTERIAL POLYHYDROXYALKANOIC ACIDS" FEMS MICROBIOLOGY LETTERS, AMSTERDAM, NL, vol. 128, no. 3, 15 May 1995 (1995-05-15), pages 219-228, XP000828495 ISSN: 0378-1097 page 222 -page 223; figure 2 ----	1-29
A	ANDUJAR M ET AL: "POLYESTERS PRODUCED BY PSEUDOMONAS OLEOVORANS CONTAINING CYCLOHEXYLGROUPS" MACROMOLECULES, AMERICAN CHEMICAL SOCIETY. EASTON, US, vol. 30, no. 6, 24 March 1997 (1997-03-24), pages 1611-1615, XP000682477 ISSN: 0024-9297 the whole document ----	1-29
A	EP 1 245 605 A (CANON KK) 2 October 2002 (2002-10-02) examples ----	1-29
A	SCHOLZ C., FULLER R.C. & LENZ R.W.: "Growth and Plymer Incorporation of Pseudomonas oleovorans on alkyl Esters of Heptanoic acid" MACROMOLECULES, vol. 27, 1994, pages 2886-2889, XP002268599 the whole document ----	1-29

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHOLZ C., FULLER R.C. & LENZ R.W.: "Production of poly(b-hydroxyalkanoates) with b-substituents containing terminal ester groups by Pseudomonas oleovorans" MACROMOLECULAR CHEMISTRY AND PHYSICS, vol. 195, 1994, pages 1405-1421, XP002268600 cited in the application the whole document</p> <p>-----</p>	1-29

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No

PCT/JP 03/13531

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5614576	A	25-03-1997	US 5753364 A AU 700073 B2 AU 3243095 A BR 9508583 A CA 2195787 A1 DE 69515044 D1 DE 69515044 T2 EP 0775178 A1 ES 2141953 T3 JP 10504057 T WO 9605264 A1	19-05-1998 17-12-1998 07-03-1996 14-07-1998 22-02-1996 16-03-2000 08-06-2000 28-05-1997 01-04-2000 14-04-1998 22-02-1996
EP 1188836	A	20-03-2002	JP 2002142791 A EP 1188836 A2 US 2002052444 A1	21-05-2002 20-03-2002 02-05-2002
EP 1113033	A	04-07-2001	JP 2002080571 A CN 1321695 A EP 1113033 A2 US 2003208029 A1 US 2002022253 A1	19-03-2002 14-11-2001 04-07-2001 06-11-2003 21-02-2002
EP 1188782	A	20-03-2002	JP 2002241476 A JP 2003047494 A EP 1188782 A2 US 2002160467 A1	28-08-2002 18-02-2003 20-03-2002 31-10-2002
EP 1201763	A	02-05-2002	JP 2002125690 A EP 1201763 A2 US 2002081646 A1	08-05-2002 02-05-2002 27-06-2002
EP 1130042	A	05-09-2001	EP 1130042 A2 JP 2002173521 A US 2003100084 A1	05-09-2001 21-06-2002 29-05-2003
EP 1236755	A	04-09-2002	EP 1236755 A2 JP 2003306534 A US 2003013841 A1	04-09-2002 31-10-2003 16-01-2003
EP 1236754	A	04-09-2002	JP 2002327050 A EP 1236754 A2 US 2002164726 A1	15-11-2002 04-09-2002 07-11-2002
EP 1245605	A	02-10-2002	EP 1245605 A2 JP 2003012786 A US 2003096182 A1	02-10-2002 15-01-2003 22-05-2003